

Appl. No. 09/766,027
Amdt dated March 7, 2006

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1 (currently amended): A method of sending receiving telephony traffic over a packet-switched network, the method comprising:

- ~~creating a fixed destination port for telephony data signaling at a destination;~~
- ~~creating a fixed destination port for call control signaling at the destination;~~
- ~~receiving at least one a media stream at the fixed destination port for a destination,~~
in a first port predetermined for receipt of telephony data, signaling wherein the at least one media stream originate originates from at least one a source coupled to the destination by the packet-switched network;
- receiving a control stream at the destination, in a second port predetermined for receipt of call control signaling;
- ~~commanding the source of each media stream to provide an identifier unique to each media stream arriving at the destination from the source wherein no two media streams arriving at the destination have identical identifiers;~~
- ~~identifying the at least one media stream by the unique identifier provided by the source~~
wherein the control stream comprises a unique identifier of the source of the media stream; and
- wherein at the destination, the first port and the second port have port numbers different from each other.

2 (currently amended): The method of claim 1, wherein the ~~at least one~~ media stream is comprised of a plurality of packets.

3 (currently amended): The method of claim 1, wherein the unique identifier ~~for each media stream~~ is communicated to the destination by each the source, over call control signaling.

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Claims 4-5 (canceled).

6 (original): The method of claim 1, wherein the unique identifier is a source port number of the media stream.

7 (currently amended): The method of claim 1, wherein the unique identifier is [[an]] the source IP address of the source media stream.

8 (currently amended): The method of claim 1, wherein the unique identifier is further comprised of a source port number and the source IP address of the media stream ~~and an IP address of the source.~~

9 (currently amended): A method of limiting telephony data traffic to passage through a single first hole in a firewall and call control traffic through a second hole in the firewall, the method comprising:

~~creating a fixed destination port for telephony data traffic at a destination;~~
~~opening a first hole in a firewall corresponding to the fixed destination port for telephony data traffic;~~
~~creating a fixed destination port for call control traffic at the destination;~~
~~opening a second hole in the firewall corresponding to the fixed destination port for call control traffic;~~

~~receiving a plurality of media streams at the fixed destination through the first hole in the firewall, in a first port at a destination, wherein the first port is predetermined for receipt of telephony data traffic wherein the media streams originate from at least one source;~~

~~commanding the source of each media stream to provide a unique identifier for each media stream arriving at the destination from each source wherein no two media streams arriving at the destination from the at least one source have identical identifiers;~~
~~identifying each media stream by the unique identifier provided by the source of each media stream~~

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receiving a plurality of control streams, through the second hole in the firewall, in a second port at the destination, wherein the second port is predetermined for call control traffic;

wherein each control stream comprises a unique identifier of a source of a media stream; and

wherein the first port and the second port have port numbers different from each other.

10 (original): The method of claim 9, wherein each media stream is comprised of a plurality of packets.

11 (original): The method of claim 9, wherein the unique identifier is communicated to the destination by the source over call control traffic.

Claims 12-13 (canceled).

14 (original): The method of claim 9, wherein the unique identifier is a source port number of the media stream.

15 (currently amended): The method of claim 9, wherein the unique identifier is ~~[[an]]~~ the source IP address of the source media stream.

16 (currently amended): The method of claim ~~[[1,]]~~ 9, wherein the unique identifier is ~~further~~ comprised of a source port number and the source IP address of the media stream ~~and an IP address of the source.~~

Claims 17-34 (canceled).

35 (currently amended): A method of ~~communicating through only two holes in a firewall protecting a private branch exchange~~ communication between at least two private branch

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exchanges including a source private branch exchange and a destination private branch exchange, the method comprising:

sending a first media stream from [[a]] the source private branch exchange through a first hole in a firewall at to a first fixed destination port predetermined for media streams at [[a]] the destination private branch exchange;

sending a first control stream from the source private branch exchange ~~through a second hole in the firewall~~ to a second fixed destination port predetermined for control streams at the destination private branch exchange;

wherein the first control stream comprises a first unique identifier of the first media stream;

wherein the first port and the second port have port numbers different from each other;

sending a second media stream from the destination private branch exchange ~~through a first hole in a firewall at the source private branch exchange to fixed destination to a third port predetermined~~ for media streams at the source private branch exchange;

sending a second control stream from the destination private branch exchange ~~through a second hole in the firewall at the source private branch exchange to fixed destination to a fourth port predetermined~~ for control streams at the source private branch exchange;

wherein the second control stream comprises a second unique identifier of the second media stream; and

wherein the third port and the fourth port have port numbers different from each other.

36 (original): The method of claim 35 wherein each media stream is communicated by a UDP protocol.

37 (original): The method of claim 35 wherein each control stream is communicated by a TCP protocol.

Claim 38 (canceled).

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39(currently amended): A method of communicating through only two holes in a firewall, the method comprising:

sending a plurality of media streams from a plurality of source private branch exchanges through a first hole in ~~[[a]]~~ the firewall to a first fixed-destination port for media streams at a destination private branch exchange; and

sending a plurality of control streams from the plurality of source private branch exchanges through a second hole in the firewall to a second fixed-destination port for control streams at the destination private branch exchange;

~~sending a plurality of media streams from the destination private branch exchange to a fixed-destination port for media streams at each source private branch exchange;~~

~~sending a plurality of control streams from the destination private branch exchange to a fixed-destination port for control streams at each source private branch exchange~~

wherein the first port and the second port have port numbers different from each other; and

wherein each control stream comprises a unique identifier of at least one media stream.

40 (currently amended): The method of claim 39 wherein ~~[[the]]~~ each media stream is communicated by a UDP protocol to the first fixed-destination port for media streams.

41 (currently amended): The method of claim 39 wherein ~~[[the]]~~ each control stream is communicated by a TCP protocol to the second fixed-destination port for control streams.

Claim 42 (canceled).

43(currently amended): A method of ~~sending~~ receiving telephony traffic over ~~Ethernet~~ an IP network, the method comprising:

creating a fixed-destination port for telephony data traffic at a plurality of destinations;

~~creating a fixed-destination port for call-control traffic at a plurality of destinations;~~

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receiving at least one a first media stream ~~[[at the]]~~ in a first fixed destination port for telephony data traffic at a first one of the plurality of destinations;

receiving at least one a second media stream ~~[[at the]]~~ in the first fixed destination port predetermined for telephony data traffic ~~[[of]]~~ at a second one of the plurality of destinations;

receiving at least one a first call control stream ~~[[at the]]~~ in a second fixed destination port predetermined for call control traffic at ~~[[a]]~~ the first one of the plurality of destinations;

wherein the first call control stream comprises a first unique Identifier of the first media stream; and

receiving at least one a second call control stream ~~[[at the]]~~ in the second fixed destination port predetermined for call control traffic ~~[[of a]]~~ at the second one of the plurality of destinations;

~~commanding the source of each media stream to provide a unique identifier for the media stream generated by the source to the destination the media stream is received by;~~
and

~~identifying each media stream by the unique identifier provided by the source wherein no two media streams arriving at any one destination have identical identifiers~~

wherein the second call control stream comprises a second unique Identifier of the second media stream; and

wherein the first port and the second port have port numbers different from each other.

44 (original): The method of claim 43, wherein each media stream is comprised of a plurality of packets.

Claims 45-60 (canceled).

61(currently amended): A system for sending and receiving communications through a firewall, the system comprising:

a first plurality of handsets for initiating a communication;

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a second plurality of handsets for responding to [[a]] said communication;
~~a communications network for transporting communications;~~
at least one first switch and at least one second switch;
~~is for directing a communication~~
wherein said communication is comprised of a plurality of media streams and a plurality of control signals from the first switch to a first port and a second port respectively at the at least one second switch, the first port and the second port having port numbers different from each other;
wherein each control signal comprises a unique identifier for one of the media streams;
wherein ~~said at least one~~ the first switch is connected to said the first plurality of handsets and ~~said at least one~~ the second switch is connected to said the second plurality of handsets~~[[.]]~~;
wherein ~~said at least one~~ the second switch receives a plurality of packets relating to the plurality of media streams at ~~a common destination~~ the first port and separate separates the packets into individual media streams; and
a firewall protecting access to ~~said at least one~~ the second switch wherein said the plurality of media streams are received through a first hole in said the firewall and the plurality of control signals are received through a second hole in the firewall.

Claim 62 (canceled).

63 (original): The system of claim 61, wherein each media stream further comprises audio traffic.

64 (original): The system of claim 61, wherein each media stream further comprises video traffic.

65 (original): The system of claim 61, wherein each media stream further comprises a mixture of audio and video traffic.

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Claim 66-72 (canceled).

71 (currently amended): The system of claim 61, ~~wherein a source port on the at least one first switch is used to form the association between the packet and the media stream~~ wherein each unique identifier of a media stream is the source port number of said media stream.

72 (currently amended): The system of claim 61, ~~wherein a source IP address of the at least one first switch is used to form the association between the packet and the media stream~~ wherein each unique identifier of a media stream is the source IP address of said media stream.

73 (currently amended): The system of claim 61, wherein a field in an RTP header of each packet ~~is used to form the association between the packet and~~ in a media stream contains said unique identifier of said media stream.

74 (new): The method of claim 35 wherein a firewall is located between the source private branch exchange and the destination private branch exchange, wherein the firewall has at least a first hole and a second hole, and wherein the first media stream is received at the first port via the first hole in the firewall, and the first control stream is received at the second port via the second hole in the firewall.

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